

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Kenneth W. Wood *et al.* Group No.: 1643
Serial No.: 09/150,867 Examiner: Holleran, A.
Filed: 09/10/98
Entitled: PLUS END-DIRECTED MICROTUBULE MOTOR REQUIRED FOR
CHROMOSOME CONGREGATION

POWER OF ATTORNEY BY ASSIGNEE
(REVOCATION OF PRIOR POWERS)

Assistant Commissioner for Patents
Washington, D.C. 20231

The Regents of the University of California, as Assignee of record of the entire interest of the above-identified patent application, hereby revokes any powers of attorney which may have been filed and appoints the members of the firm of MEDLEN & CARROLL, LLP, a firm composed of:

Virginia S. Medlen	(Reg. No. 32,050)	Maha A. Hamdan	(Reg. No. 43,655)
Peter G. Carroll	(Reg. No. 32,837)	J. Mitchell Jones	(Reg. No. 44,174)
Kamrin T. MacKnight	(Reg. No. 38,230)	David J. Wilson	(Reg. No. 45,225)
David A. Casimir	(Reg. No. 42,395)	Jason R. Bond	(Reg. No. 45,439)
Thomas J. Bordner	(Reg. No. P-47,436)	Tanya A. Arenson	(Reg. No. P-47,391)

as its attorneys with full power of substitution to prosecute this application and transact all business in the Patent and Trademark Office in connection therewith.

Please direct all future correspondence and telephone calls regarding this application to:

Kamrin T. MacKnight
MEDLEN & CARROLL, LLP
220 Montgomery Street, Suite 2200
San Francisco, California 94104

Telephone: 415/705-8410
Facsimile: 415/397-8338

I hereby certify that the Assignment document filed with the application or filed subsequent to the filing date of the application, has been reviewed and I hereby certify that, to the best of my knowledge and belief, title is with The Regents of the University of California.

Dated:

Jan 16, 2001

By:

Alan Paau

Name: ALAN PAAU

Title: DIRECTOR, TECHNOLOGY TRANSFER

The Regents of the University of California
1111 Franklin Street
Oakland, California 94607-5200

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **PLUS END-DIRECTED MICROTUBULE MOTOR REQUIRED FOR CHROMOSOME CONGRESSION**, the specification of which was filed on 09/10/98 as Application Serial No. 09/150,867. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

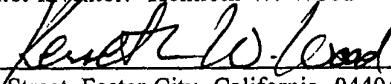
I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Abandoned
60/058,645	9/11/97	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole or First Inventor: Kenneth W. Wood

Inventor's Signature: 

Date: 6/14/2003

Residence: 1073 Grebe Street, Foster City, California 94404

Citizenship: U.S.A.

Post Office Address: 1073 Grebe Street, Foster City, California 94404

Full Name of Second Joint Inventor: Roman Sakowicz

Inventor's Signature: _____

Date: _____

Residence: 1119 Nimitz Lane, Foster City, California 94404

Citizenship: Poland

Post Office Address: 1119 Nimitz Lane, Foster City, California 94404

Full Name of Third Joint Inventor: Lawrence S.B. Goldstein

Inventor's Signature: _____

Date: _____

Residence: 13384 Keegan Place, San Diego, California 92130

Citizenship: U.S.A.

Post Office Address: 13384 Keegan Place, San Diego, California 92130

Full Name of Fourth Joint Inventor: Don W. Cleveland

Inventor's Signature: _____

Date: _____

Residence: 14181 Half Moon Bay, Delmar, California 92014

Citizenship: U.S.A.

Post Office Address: 14181 Half Moon Bay, Delmar, California 92014

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **PLUS END-DIRECTED MICROTUBULE MOTOR REQUIRED FOR CHROMOSOME CONGRESSION**, the specification of which was filed on 09/10/98 as Application Serial No. 09/150,867. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

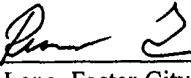
I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

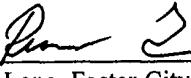
60/058,645	9/11/97	Abandoned
<i>Application Serial No.</i>	<i>Filing Date</i>	<i>Patented, Pending or Abandoned</i>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

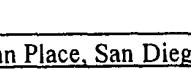
Full Name of Sole or First Inventor: Kenneth W. Wood

Inventor's Signature: 	Date: _____
Residence: 1073 Grebe Street, Foster City, California 94404	Citizenship: U.S.A.
Post Office Address: 1073 Grebe Street, Foster City, California 94404	

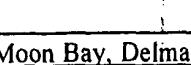
Full Name of Second Joint Inventor: Roman Sakowicz

Inventor's Signature: 	Date: 6/13/03
Residence: 1119 Nimitz Lane, Foster City, California 94404	Citizenship: Poland
Post Office Address: 1119 Nimitz Lane, Foster City, California 94404	

Full Name of Third Joint Inventor: Lawrence S.B. Goldstein

Inventor's Signature: 	Date: _____
Residence: 13384 Keegan Place, San Diego, California 92130	Citizenship: U.S.A.
Post Office Address: 13384 Keegan Place, San Diego, California 92130	

Full Name of Fourth Joint Inventor: Don W. Cleveland

Inventor's Signature: 	Date: _____
Residence: 14181 Half Moon Bay, Delmar, California 92014	Citizenship: U.S.A.
Post Office Address: 14181 Half Moon Bay, Delmar, California 92014	

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **PLUS END-DIRECTED MICROTUBULE MOTOR REQUIRED FOR CHROMOSOME CONGRESSION**, the specification of which was filed on 09/10/98 as Application Serial No. 09/150,867. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

60/058,645	9/11/97	Abandoned
<i>Application Serial No.</i>	<i>Filing Date</i>	<i>Patented, Pending or Abandoned</i>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

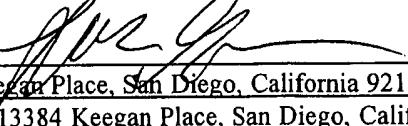
Full Name of Sole or First Inventor: **Kenneth W. Wood**

Inventor's Signature: _____ Date: _____
 Residence: 1073 Grebe Street, Foster City, California 94404 Citizenship: U.S.A.
 Post Office Address: 1073 Grebe Street, Foster City, California 94404

Full Name of Second Joint Inventor: **Roman Sakowicz**

Inventor's Signature: _____ Date: _____
 Residence: 1119 Nimitz Lane, Foster City, California 94404 Citizenship: Poland
 Post Office Address: 1119 Nimitz Lane, Foster City, California 94404

Full Name of Third Joint Inventor: **Lawrence S.B. Goldstein**

Inventor's Signature:  Date: 6/15/03
 Residence: 13384 Keegan Place, San Diego, California 92130 Citizenship: U.S.A.
 Post Office Address: 13384 Keegan Place, San Diego, California 92130

Full Name of Fourth Joint Inventor: **Don W. Cleveland**

Inventor's Signature: _____ Date: _____
 Residence: 14181 Half Moon Bay, Delmar, California 92014 Citizenship: U.S.A.
 Post Office Address: 14181 Half Moon Bay, Delmar, California 92014

UCSD-04734
-07982

TOWNSEND & TOWNSEND
S CREW



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 21, 1999

99 APR 30 1999 PTAS

TOWNSEND AND TOWNSEND AND CREW LLP
ANNETTE S. PARENT
TWO EMBARCADERO CENTER, 8TH FLOOR
SAN FRANCISCO, CALIFORNIA 94111-3834



100949007A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/04/1999

REEL/FRAME: 9714/0978
NUMBER OF PAGES: 4

BRIEF: RE-RECORD TO CORRECT THE SERIAL NO. 09/160,867, PREVIOUSLY RECORDED ON THE REEL 9669, FRAME 0310.

ASSIGNOR:

WOOD, KENNETH W.

DOC DATE: 12/03/1998

ASSIGNOR:

SAKOWICZ, ROMAN

DOC DATE: 12/03/1998

ASSIGNOR:

GOLDSTEIN, LAWRENCE S.B.

DOC DATE: 11/06/1998

ASSIGNOR:

CLEVELAND, DON W.

DOC DATE: 11/06/1998

ASSIGNEE:

REGENTS OF THE UNIVERSITYYY OF
CALIFORNIA, THE
1111 FRANKLIN STREET 5TH FLOOR
OAKLAND, CALIFORNIA 94607-5200

9714/0978 PAGE 2

SERIAL NUMBER: 09150867
PATENT NUMBER:

FILING DATE: 09/10/1998
ISSUE DATE:

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

88-491

FORM PTO-1595
(Rev. 6-93)

Re

100949007

UCSD-07982

U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Kenneth W. Wood, Roman Sakowicz,
Lawrence S.B. Goldstein and Don W. Cleveland

Additional name(s) of conveying parties attached? Yes
 No.

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other: Correct Serial Number on Assignment.
 Should read: 09/150,867

Execution Date: 12/3/98, 12/3/98, 11/6/98 and 11/6/98

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 09/150,867

B. Patent No(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Annette S. Parent
 TOWNSEND AND TOWNSEND AND CREW LLP
 Two Embarcadero Center, 8th Floor
 San Francisco, California 94111-3834
 (415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00

Enclosed Charge Fees to Deposit Account

Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Annette S. Parent
 Name of Person Signing

12/28/98
 Date

Atty Reg. No. 42,058

Total number of pages including cover sheet, attachments and document 4

10. Change Correspondence Address to that of Part 5? Yes No

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover to:

Asst. Commissioner for Patents
 Box: Assignments
 Washington, D.C. 20231

186265

COPY

Attorney Docket No.

UCSD-07982

FORM PTQ-1595 (Rev. 6-93)		Recordation Form Cover Sheet (Patents Only)	U.S. Department of Commerce Patent and Trademark Office
To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof			
1. Name of conveying party(ies): Kenneth W. Wood, Roman Sakowicz, Lawrence S.B. Goldstein and Don W. Cleveland		2. Name and address of receiving party(ies) Name: The Regents of the University of California Internal Address: Street Address: 1111 Franklin Street, 12 th Floor City: Oakland State: California ZIP: 94607-5200	
Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.		Additional names and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 12/3/98, 12/3/98, 11/6/98 and 11/6/98			
4. Application Number(s) or Patent Numbers. If this document is being filed together with a new application, the execution date of the application is:			
A. Patent Application No(s): 09/180,867		8. Patent No(s):	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Annette S. Parent TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, California 94111-3834 (415) 576-0200		6. Total number of applications and patents involved 1 7. Total fee (37 CFR 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Fees to Deposit Account <input checked="" type="checkbox"/> Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account. 8. Deposit account number: 20-1430	
DO NOT USE THIS SPACE			
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.</i>			
Annette S. Parent Name of Person Signing		 Signature	
Atty Reg. No. 42,058		Total number of pages including cover sheet, attachments and document 3.	
10. Change Correspondence Address to that of Part 5? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
OMB No. 0651-0011 (exp. 4/94)		Do not detach this portion	
Mail documents to be recorded with required cover to: Asst. Commissioner for Patents Box: Assignments Washington, D.C. 20231			

ASSIGNMENT

U.C. Case No. SD-98-001

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. Kenneth W. Wood _____ 2. Roman Sakowicz _____
3. Lawrence S.B. Goldstein _____ 4. Don W. Cleveland _____

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin St., 12th Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

PLUS END-DIRECTED MICROTUBULE MOTOR REQUIRED FOR CHROMOSOME CONGREGATION

and which is found in

(a) _____ U.S. provisional application filed herewith and listing the above-named persons as inventors
(b) _____ U.S. patent application filed herewith and listing the above-named persons as inventors
(c) X _____ U.S. application serial no. 09/160,867, filed on 9/10/98
(d) _____ U.S. Patent No.: _____ issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

executed this

1. 3 day of December, 1998
2. 3 day of December, 1998
____ day of _____, 19_____
____ day of _____, 19_____
____ day of _____, 19_____

Signature of Inventor(s)

Kenneth W. Wood
Roman Sakowicz

ASSIGNMENT

U.C. Case No. SD-98-001

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. Kenneth W. Wood 2. Roman Sakowicz
3. Lawrence S.B. Goldstein 4. Don W. Cleveland

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin St., 12th Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

PLUS END-DIRECTED MICROTUBULE MOTOR REQUIRED FOR CHROMOSOME CONGREGATION

and which is found in

(a) _____ U.S. provisional application filed herewith and listing the above-named persons as inventors

(b) _____ U.S. patent application filed herewith and listing the above-named persons as inventors

(c) X U.S. application serial no. 09/180,867, filed on 9/10/98 ¹⁵⁰

(d) _____ U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

executed this

Signature of Inventor(s)

4. 6 day of November, 1998

3. 6 day of November, 1998

 day of , 19

 day of , 19